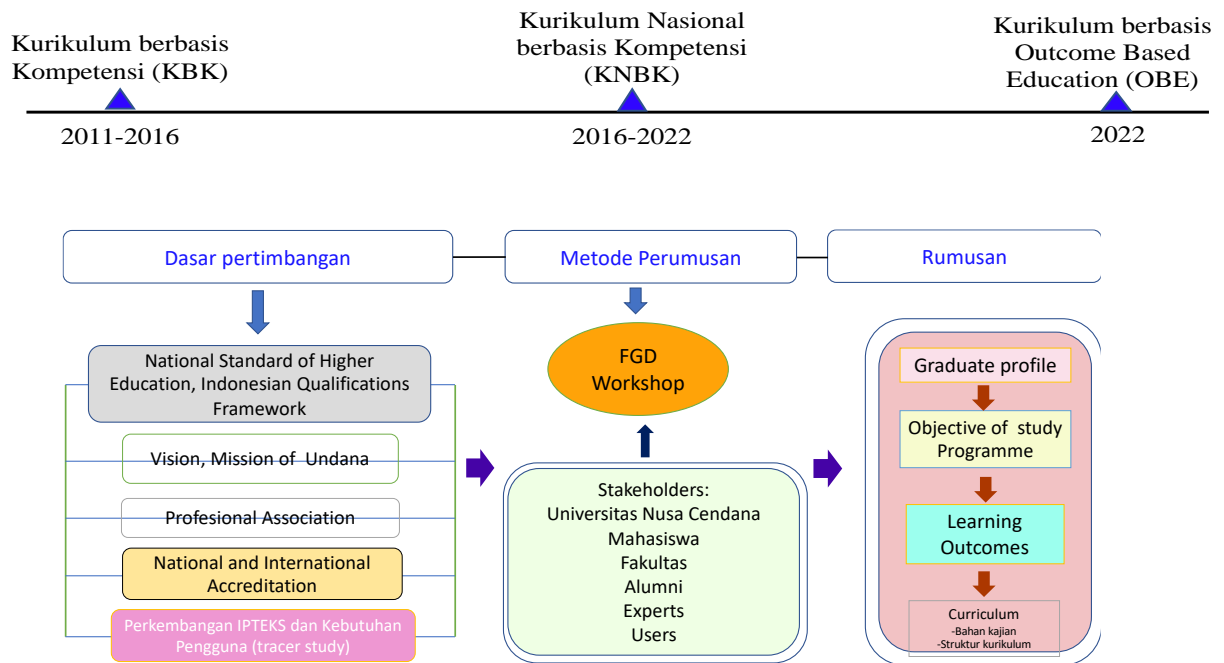


SUMMARY OF CURRICULUM REVIEW OF ANIMAL HUSBANDRY STUDY PROGRAM FACULTY OF ANIMAL HUSBANDRY, MARINE AND FISHERIES NUSA CENDANA UNIVERSITY

A. Curriculum of Animal Husbandry study program and curriculum review mechanism

The curriculum of the Animal Husbandry study program since its operation in 2011 has undergone changes three times, and the latest curriculum review has produced an Outcome-based Education-based curriculum that has been implemented in the 2022/2023 academic year. An overview of the review mechanism is presented in Figure 1.



Gambar 1. Mechanism of curriculum review

Basic consideration	
National Standard of Higher Education, Indonesian Qualifications Framework	<ul style="list-style-type: none"> - Presidential Regulation No. 8/2012 on the Indonesian National Qualification Framework (KKNI) - National Higher Education Standards / SN No. 3 of 2020
Vision, Mission of Undana	
National and International Accreditation	<ul style="list-style-type: none"> - Undana Higher Education Implementation Standards - ASIIN International Accreditation
Hasil tracer study	<ul style="list-style-type: none"> - Waiting time for graduates to get their first job - Field of work of PS graduates (Graduate Profile) - User satisfaction of study program graduates
Results of FGDs and workshops with internal and external stakeholders,	External Stakeholders Pemerintahan <ul style="list-style-type: none"> - Dinas Peternakan Propinsi NTT (Ir. Mardiana Kalumbang)

experts, and professional associations,	<ul style="list-style-type: none"> - Alumni - John Berek - Umbu Bintang - Sefrans Banamtuan - Benny Wole - Vinensius Darmin - <p>LSM:</p> <ul style="list-style-type: none"> - Alfa Omega - Plan Internasional - Hivos SEA - <p>Pelaku usaha pertanian</p> <ul style="list-style-type: none"> - Cv Jemseng Jaya - Afro Farm - <p>Orangtua mahasiswa Universitas Kristen Wira Wacana Sumba Universitas Flores Ende</p>
	Stakeholder Internal
	<ol style="list-style-type: none"> 1. Mahasiswa program studi Peternakan 2. Staf Dosen program studi Peternakan 3. Tenaga Kependidikan 4. Pimpinan Undana dan Unit
	<p>Ekspert</p> <p>Ketua Kurikulum LP3M Undana</p>
	<p>Assosiasi profesi</p> <ol style="list-style-type: none"> 1. Ikatan Sarjana Peternakan Indonesia 2. Himpunan Ilmuwan Tanaman Pakan Indonesia

A. Differences between the Competency-Based National Curriculum (CBN) and the Outcome-Based Education (OBE) Curriculum

The difference between the NBK curriculum and the Outcome-Based Education (OBE) curriculum lies in the approach, focus and learning process. Here is a further explanation of these differences:

Aspects	Old Curriculum: National Competency-Based Curriculum (NBC/KNBK)	New Curriculum OBE (Outcome Based Education) based curriculum
Approach	This curriculum is based on a national qualifications framework that includes the knowledge, skills and attitudes that graduates must have. This approach emphasizes the specification of competencies that must be achieved by graduates	The OBE approach focuses on achieving specific and measurable learning outcomes. It is based on setting clear learning objectives and assessing the outcomes achieved by students.
Focus	Development of graduate competencies in accordance with the national	learning outcomes that graduates are expected to achieve. The ultimate goal is to

	qualifications framework standards. Emphasizes aspects of knowledge, skills, and attitudes required by graduates in the world of work.	produce students who are able to achieve certain outcomes, such as skills, understanding of concepts, or expected attitudes.
Learning Process	focuses on developing the competencies defined by the KKNi standards. The teaching methods used may vary, including lectures, laboratory practices, internships, or projects.	The learning process in OBE is designed to achieve defined learning outcomes. Teaching methods are student-oriented, where they are actively involved in achieving learning objectives. Emphasis is placed on developing skills such as critical thinking, collaboration and problem solving.
Equation	Improve the quality of education and prepare graduates to face the demands of the world of work. The NBK curriculum can be used as the basis for OBE curriculum development by ensuring that graduates achieve competencies relevant to national standards.	

A. CHANGES IN THE OLD CURRICULUM AND OBE CURRICULUM IN THE ANIMAL HUSBANDRY STUDY PROGRAM OF THE FACULTY OF ANIMAL HUSBANDRY, MARINE AND FISHERIES, NUSA CENDANA UNIVERSITY

No.	Items	Old curriculum	New curriculum	Description
1	Curriculum name	Curriculum based KKNi	Curriculum Outcome Based Education	Name hanged
2	Validity period	2015-2020	2021/2022 - now	
3	Graduate profiles	(1) Actors in the field of animal husbandry (2) Entrepreneurs (3) Researchers (4) Educators	(1) Livestock production practitioners (2) Livestock production entrepreneurs (3) Managers (4) Novice researchers	
4	Lesson plan document	RPKPS	RPS (Semester Learning Plan)	Learning Plan document name changed
5.	Total credits	146	146	
6	Credits distribution	Semester I : 19 Semester II : 23 Semester III : 23 Semester IV : 23 Semester V : 24 Semester VI : 18 Semester VII : 20 Semester VII : 6	Semester I : 18 Semester II : 18 Semester III : 24 Semester IV : 24 Semester V : 24 Semester VI : 15 • 20 (MBKM) • 22 (regular) Semester VII : • 20 (MBKM) • 18 (regular) Semester VIII : 6	
7	Learning Outcomes			
		Attitude		

		11 butir		1 butir		Terdapat perbedaan jumlah CPL	
		Pengetahuan					
		6 butir		1 butir		Terdapat perbedaan jumlah CPL	
		Keterampilan Umum					
		9 butir		3 butir		Terdapat perbedaan jumlah CPL	
		Keterampilan Khusus					
		4 butir		3 butir		Terdapat perbedaan jumlah CPL	
8	Capaian pembelajaran dalam RPS Matakuliah	• Kompetensi umum (KU) • Kompetensi khusus (KK)		• Capaian pembelajaran matakuliah (CPMK) • Sub capaian pembelajaran matakuliah (Sub CPMK)		Terjadi perubahan istilah	
9	Subject distribution per semester	Semester 1		Semester 1			
		(1)	Bahasa Indonesia	(1)	Bahasa Indonesia		
		(2)	English	(2)	Religion		
		(3)	Pancasila	(3)	Pancasila		
		(4)	Mathematics	(4)	English		
		(5)	Chemistry	(5)	Mathematics		
		(6)	Biology	(6)	Chemistry		
		(7)	Introduction to animal science	(7)	Biology		
		(8)	Religion	(8)	Introduction to animal science		
		(9)	Semi-framed Islands Dryland Culture (Move to smstr 5)	(9)	Basic management		
		Semester II		Semester II			
		(1)	Citizenship Education (moved to smstr 4)	(2)	Biochemistry		
		(2)	Biochemistry	(3)	Statistics		
		(3)	Statistics		Animal physiology		
		(4)	Basic management (moved to smtr 1)	(4)	Animal anatomy and histology		
		(5)	Animal physiology	(5)	General economic science		
		(6)	Animal anatomy and histology	(6)	Animal nutrition		
		(7)	General economic science	(7)	Genetics		
		(8)	Animal nutrition				
		(9)	Livestockl environmental science (moved to smtr 3 and changed name to Livestock				

			Environment and Climate Change Mitigation)			
		10	Genetics			
		Semester III		Semester III		
		(1)	Animal breeding science (moved to smtr 4)	(1)	Anti-corruption education (moved from smtr 6)	
		(2)	Feed Crop Science	(2)	Livestock Environment and Climate Change Mitigation (moved from smtr 3: Animal environmental science)	
		(3)	Animal reproduction science	(3)	Feed Crop Science	
		(4)	Poultry production	(4)	Animal reproduction science	
		(5)	Dairy production	(5)	Poultry production	-
		(6)	Beef production	(6)	Dairy production	
		(7)	Microbiology	(7)	Beef production	
		(8)	Animal judgement	(8)	Microbiology	
				(9)	Animal judgement	
		Semester IV		Semester IV		
		(1)	Livestock extension (moved to smstr 5)	(1)	Civic education	
		(2)	Livestock production economics	(2)	Animal breeding science	
		(3)	Dry land farming system (moved to smstr 3 and changed name to Dry land farming industry)	(3)	Livestock production economics	
		(4)	Livestock products knowledge	(4)	Livestock products knowledge	
		(5)	Feed ingredients and formulation	(5)	Feed ingredients and formulation	
		(6)	Pasture management	(6)	Pasture management	
		(7)	Livestock entrepreneurship (moved to smstr 6)	(7)	Biotechnology	
		(8)	Livestock Biotechnology	(8)	Research design and data literation (new subject as a result of merged between	

				research methodology and research design)	
		Semester V		Semester V	
	(1)	Research methodology (moved to smstr 4)	(1)	Dryland culture island and tourism	
	(2)	Research methodology (moved to smstr 4)	(2)	Livestock extension (moved from smtr 4)	
	(3)	Livestock Trading	(3)	Dryland Livestock Industry	
	(4)	Feed Industry	(4)	Livestock Trading	
	(5)	Animal product processing technology	(5)	Ruminant nutrition	
	(6)	Feed Processing Technology	(6)	Nutrition of poultry and non-ruminants	
	(7)	Ruminant nutrition	(7)	Livestock Politics and Legislation	
	(8)	Nutrition of poultry and non-ruminants	(8)	Feed Processing Technology and feed industry	-
		Semester VI		Semester VI	
	(1)	Anti-corruption education	(1)	Livestock entrepreneurship (moved from smtr 4)	Compulsory subjects
	(2)	Poultry Management	(2)	Animal product processing technology	
	(3)	Beef Management	(3)	Poultry Industry	
	(4)	Dairy Management	(4)	Beef Industry	
	(5)	Animal Husbandry Politics and Legislation	(5)	Dairy industry	
	(6)	Horse and buffalo Business Development	(6)	Spatial Design of Livestock Area	Elective subjects (12 credits - 6 subjects for regular students, and 20 credits for students who chose freedom to learn freedom campus program)
	(7)	Pig Business Development	(7)	Semiringkai Dryland Beef Cattle Industry	
	(8)	Shepherd Business Development	(8)	Horse and Buffalo Business Development	
	(9)	Prospective Animal Business Development	(9)	Pig Business Development	

		(10)	Non-chicken Business Development	(10)	Shepherd Business Development	
		(11)	Feedlot Management	(11)	Prospective Animal Business Development	
		(12)	Livestock Development Policy	(12)	Non-chicken Business Development	
		(13)	Ruminology	(13)	Feedlot Management	
		(14)	Horse and Rabbit Nutrition	(14)	Livestock Development Policy	
		(15)	Animal Food Security	(15)	Ruminology	
		(16)	Farm waste management	(16)	Horse and buffalo Business Development	
		(17)	Livestock Sterility	(17)	Animal Food Security	
		(18)	Cooperation	(18)	Farm waste management	
		(19)	Agroforestry system	(19)	Livestock Sterility	
		(20)	Livestock Enterprise Economics	(20)	Cooperation	
		(21)	Laboratory Technics	(21)	Agroforestry system	
		(22)	Egg Hatching Technology	(22)	Economics of Livestock Enterprise	
		(22)	Leather Processing Technology	(22)	Laboratory Technics	
		(23)	Livestock Waste Processing Technology	(23)	Egg Hatching Technology	
		(24)	Agribusiness management	(24)	Leather Processing Technology	
		(25)	Academic writing	(25)	Livestock Residue Processing Technology	
		(26)	Project Feasibility Study	(26)	Agribusiness management	
		(27)	Feed Security and Quality Control	(27)	Academic writing	
		(28)	Abattoir and Livestock Slaughtering Techniques	(28)	Project Feasibility Study	
		(29)	Livestock Breeding Management	(29)	Feed Security and Quality Control	
		(30)	Livestock Behavior and Welfare	(30)	Abattoir and Livestock Slaughtering Techniques	
		(31)	Quality Control of Livestock Products	(31)	Livestock Breeding Management	

					Livestock Behavior and Welfare	
					Quality Control of Livestock Products	
					Livestock Community Development	
					on Farm Research Design	
					Integrated Farming System	
					Hobbies and Pet Livestock Farming	
		Semester VII			Semester VII	
		(1)	Field Practices	(1)	Field Practices	
		(2)	Community Service Project	(2)	Community Service Project	
		Semester VIII			Semester VIII	
		(1)	Pre -Thesis Seminar	(1)	Pre -Thesis Seminar	
		(2)	Thesis/Skripsi	(2)	Thesis/Skripsi	

A. General changes in the OBE Curriculum structure from the National Curriculum Based Competences in Animal Husbandry Study Program

Items	Old Curriculum	New Curriculum
	National Curriculum Based Competences	Curriculum Outcome Based Education
Merged subjects	1. Research methodology 2. Research Design	Research Design and Data Literation
Changed subjects	1. Basic Environmental Science 2. Dryland Farming System 3. Feed Industry 4. Poultry Management 5. Beef Management 6. Dairy Management	1. Livestock Environment and Climate Change Mitigation 2. Dryland Livestock Industry 3. Processing Technology, and Feed Industry 4. Poultry Industry 5. Beef Industry 6. Dairy Industry
New subjects		1. Spatial Design of Livestock Area 2. Dryland Semiringkai Beef Cattle Industry 3. Livestock Community Development 4. on Farm Research Design 5. Integrated Farming System 6. Hobbies and Pet Livestock Farming